REVISED

OPERATING DATA
FOR THE
MODEL CA-5 ADAPTER
WHEN USED WITH
MODEL 750
ROLL CHART TUBE TESTER

HICKOK

NOTE 1: (symbol "#" on Roll Chart) Set BIAS at 100, press and hold down button indicated in the PRESS column while rotating BIAS dial until tube strikes.

NOTE 2: (symbol "★" on Roll Chart) Voltage indicated in the NOTATIONS column is the approximate starting voltage for voltage regulator tubes. The figure in the MUT COND (mutual conductance) column represents the nominal operating voltage.

NOTE 3: Set PLATE VOLTS switch on NORM (normal) for all tests that do not have "Plate Volts = Low" in the NOTATIONS column.

NOTE 4: "Cut off" tube section NOT being tested by means of a 30 to 35 volt battery (Eveready 413, or equal). Polarity and connections are indicated in the NOTATIONS column: e. g., NOTE 4: 7-, 2+, indicates connect negative lead to pin 7 and positive lead to pin 2, of any convenient socket on the tester.

CAUTION: Disconnect battery between any change of SELECTORS.

THE HICKOK ELECTRICAL INSTRUMENT CO.
10514 DUPONT AVENUE • CLEVELAND, OHIO 44108
3200-204 REVISED

OPERATING INSTRUCTIONS

for use with

ROLL CHART TUBE TESTERS

To test tubes with the CA-5 Universal Adapter and a Roll Chart Tube Tester, proceed as follows:

a. Connect the adapter to the Roll Chart Tube Tester by inserting the test plug into the Noval socket of the Roll Chart Tube Tester.

b. Set the switches "A", "B" and "C" on the adapter to correspond with the 3-digit number in the column headed "CA5", for the tube to be tested as listed in the Operating Data book. Example: 234 is shown for 6AL11; therefore, set switch "A" on position 2, switch "B" on position 3 and switch "C" on position 4.

c. Proceed to set up the switches and controls of the Roll Chart Tube Tester as shown in the Operating Data book.

d. Place the tube to be tested into the proper socket of the adapter.

e. If the tube to be tested has a top cap, place the top cap connector of the adapter to the cap of the tube and connect the top cap connector of the Roll Chart Tube Tester on the cap connector of the test plug of the adapter cable. The proper cap connector (if any) is shown in the "NOTATIONS" column of the Operating Data book. Example: if the notation column shows "CAP = G" (grid), connect the "G" or "GRID" of the tester with the top cap connector of the Roll Chart Tube Tester to the cap connector of the test plug of the adapter cable. Note: Proper top cap connections to Models 6000 and 6005 Tube Testers are assured by setting the appropriate element selectors to position "X". Example: if "CAP = P" appears in the "NOTATIONS" column, set the plate selector to "X" regardless of the setting specified in the "SELECTORS" column.

f. Turn the Roll Chart Tube Tester on and proceed to test tube in the usual manner as shown in the manual accompanying the particular tester being used. Disregard all references to Hickok Adapter SA-11, code number 1050-177.

TUBE TYPE	FIL.	SELECTORS TESTER	CAS	BIAS	RANGE	PUSH	MUT.COND	NOTATIONS
1AD2	1.4	BS-0000-0	002	0	A 53	P5	- -----	CAP=P ON ADAPTER
2AH2	2.5	BS-0000-0	002	0	A 79	P5	- -----	CAP=P ON ADAPTER
2AS2	2.5	BS-0000-0	002	0	A 80	P5	- -----	CAP=P ON ADAPTER
2B-H5	2.0	BT-4208-0	103	9	B 87	P4	E 9000	PLATE VOLTS=LOW.
2CW4	2.0	BT-4208-0	103	9	B 87	P4	E 9000	PLATE VOLTS=LOW
2DS4	2.0	BT-4208-0	103	9	B 85	P4	E 7500	PLATE VOLTS=LOW
2DV4	2.0	CT-6107-0	203	25	B 89	P4	E 6500	
2EG4	2.0	BT-4208-0	103	21	B 73	P4	D 2100	SET =LINE ADJUST= AT 90 ON 200V SCALE
2N-H11	2.0	BT-4208-0	103	9	B 85	P4	E 7500	PLATE VOLTS=LOW.
2N-H12	2.0	CT-6107-0	203	25	B 89	P4	E 6500	
3AT2	3.0	BS-0000-0	002	0	A 84	P5	- -----	CAP=P ON ADAPTER
3AW2	3.0	CR-0000-0	001	0	A 90	P5	- -----	CAP=P ON ADAPTER
3BL2	3.0	BS-0000-0	002	0	A 82	P5	- -----	CAP=P ON ADAPTER
3BM2	3.0	BS-0000-0	002	0	A 82	P5		CAP=P ON ADAPTER
3BS2	3.0	CR-0000-0	001	0	A 80	P5		
4HA7	4.3	BT-9204-0	203	21	B 78	P4	D 2900	TRIODE NO.1
	4.3	BV-4203-0	045	17	B 13	P4	C 700	TRIODE NO.2
4HC7	4.3	BT-9204-0	203	12	B 84	P4	D 4400	TRIODE NO.1
	4.3	BV-4203-0	045	19	B 20	P4	C 700	TRIODE NO.2
5BC3	5.0	BT-0900-0	000	0	B 35	P3	- -----	PLATE NO.1
	5.0	BT-0500-0	000	0	B 30	P3	- -----	PLATE NO.2
5HA7	5.0	BT-9204-0	203	21	B 78	P4	D 2900	TRIODE NO.1
	5.0	BV-4203-0	045	17	B 13	P4	C 700	TRIODE NO.2
5HC7	5.0	BT-9204-0	203	12	B 84	P4	D 4400	TRIODE NO.1
	5.0	BV-4203-0	045	19	B 20	P4	C 700	TRIODE NO.2
5U9	6.3	FW-3782-4	000	11	B 82	P4	E 6000	PENTODE SECT. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	6.3	FW-2901-0	200	25	B 85	P4	D 4600	TRIODE SECT.
5V9	5.0	FW-3741-2	000	18	B 55	P4	C 1200	HEPTODE SECT. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	5.0	FW-8109-0	100	17	B 88	P4	E 6500	TRIODE SECT.
5X9	6.3	FW-3782-4	000	12	B 83	P4	E 6000	PENTODE SECT. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	6.3	FW-2901-0	200	16	B 78	P4	D 3000	TRIODE SECT.
6AB9	6.3	FW-9781-0	100	13	B 84	P4	E 6500	TETRODE NO.1 USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	6.3	FW-3124-0	000	13	B 84	P4	E 6500	TETRODE NO.2
6AC9	6.3	BU-9328-7	234	10	B 85	P4	E 7500	PENTODE SECT.
	6.3	BS-0304-0	002	0	A 83	P1	- -----	DIODE NO.1
	6.3	BU-0203-0	004	0	A 83	P1	- -----	DIODE NO.2
6AC10	6.3	BT-9204-0	203	11	B 84	P4	E 7000	TRIODE NO.1
	6.3	BS-7506-0	002	11	B 84	P4	E 7000	TRIODE NO.2
	6.3	BV-4203-0	045	11	B 84	P4	E 7000	TRIODE NO.3
6AD10	6.3	BU-3762-5	004	12	B 58	P4	C 1500	PENTODE NO.1
	6.3	BU-8329-0	234	7	A 82	P4	D. 5300	PENTODE NO.2
6AF9	6.3	FW-8197-0	100	13	B 88	P4	E 8500	PENTODE NO.1 USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	6.3	FW-1432-0	000	13	B 82	P4	D 4200	PENTODE NO.2
6AF11	6.3	BV-4239-0	345	12	B 85	P4	E 7000	PENTODE SECT.
	6.3	BS-6805-0	002	14	B 78	P4	D 4400	TRIODE NO.1
	6.3	BS-3407-0	002	11	B 76	P4	D 3200	TRIODE NO.2
6AG9	6.3	BW-5239-4	356	14	B 87	P4	E 10000	PENTODE SECT.
	6.3	BS-5706-0	002	19	B 85	P4	D 4600	TRIODE SECT.

TUBE TYPE	FIL.	SELECTORS TESTER	SELECTORS CAS	BIAS	RANGE	PUSH	MUT.COND	NOTATIONS
6AG11	6.3	BS-5604-0	002	17	B 83	P4	D 3600	TRIODE NO.1
	6.3	BS-8709-0	002	17	B 83	P4	D 3600	TRIODE NO.2
	6.3	BU-0203-0	234	0	A 77	P1	- -----	DIODE NO.1
	6.3	BU-0302-0	004	0	A 77	P1	- -----	DIODE NO.2
6AH9	6.3	BT-5287-9	023	12	B 86	P4	E 8500	PENTODE SECT.
	6.3	BV-2304-0	005	27	B 73	P4	C 2500	TRIODE SECT.
6AK9	6.3	BS-8597-0	002	31	B 86	P4	D 5200	PENTODE SECT.
	6.3	BU-2307-0	234	18	B 72	P4	C 2450	TRIODE NO.1
	6.3	BU-3207-0	004	28	B 64	P4	C 1900	TRIODE NO.2
6AL11	6.3	BU-8329-0	234	18	B 88	P4	E 5600	PENTODE NO.1
	6.3	BV-3672-4	005	21	B 17	P4	C 450	PENTODE NO.2
6AR11	6.3	BU-2893-7	234	6	B 85	P4	E 9000	PENTODE NO.1
	6.3	BX-5236-4	007	6	B 85	P4	E 9000	PENTODE NO.2
6AS11	6.3	BV-4239-0	345	14	B 86	P4	E 6000	PENTODE SECT.
	6.3	BS-6805-0	002	14	B 80	P4	D 4600	TRIODE NO.1
	6.3	BS-3407-0	002	14	B 80	P4	D 4200	TRIODE NO.2
6AV11	6.3	BT-9204-0	203	23	B 84	P4	C 2550	TRIODE NO.1
	6.3	BS-7506-0	002	23	B 84	P4	C 2550	TRIODE NO.2
	6.3	BV-4203-0	045	23	B 84	P4	C 2550	TRIODE NO.3
6AX3	6.3	BS-0407-0	002	0	B 40	P3	- -----	
6AY3	6.3	EV-0209-0	000	0	B 48	P3	- -----	
6AY11	6.3	BS-8709-0	002	13	B 65	P4	G 900	TRIODE NO.1
	6.3	BS-5604-0	002	13	B 65	P4	G 900	TRIODE NO.2
	6.3	BU-0203-0	234	0	A 78	P1	- -----	DIODE NO.1
	6.3	BU-0302-0	004	0	A 78	P1	- -----	DIODE NO.2
6B10	6.3	BS-5607-0	002	22	B 83	P4	D 2500	TRIODE NO.1
	6.3	BV-3402-0	005	22	B 83	P4	D 2500	TRIODE NO.2
	6.3	BT-0209-0	203	0	A 78	P1	- -----	DIODE NO.1
	6.3	BS-0809-0	002	0	A 78	P1	- -----	DIODE NO.2
6BA3	6.3	EV-0209-0	000	0	B 51	P3	- -----	
6BA11	6.3	BS-4638-7	002	10	B 21	P4	C 550	PENTODE NO.1
	6.3	BW-4238-5	006	10	B 21	P4	C 550	PENTODE NO.2
	6.3	BU-9302-0	234	30	B 63	P4	C 1800	TRIODE SECT.
6BD11	6.3	BV-4239-0	345	15	B 85	P4	E 7000	PENTODE SECT.
	6.3	BS-6805-0	002	14	B 81	P4	D 5200	TRIODE NO.1
	6.3	BS-3407-0	002	14	B 80	P4	D 4400	TRIODE NO.2
6BE3	6.3	BT-0207-0	203	0	B 58	P3	- -----	
6BF11	6.3	BU-8329-0	234	30	B 89	P4	E 5400	PENTODE NO.1
	6.3	BU-3762-5	004	17	B 16	P4	C 300	PENTODE NO.2
6BH3	6.3	EV-0209-0	000	0	B 48	P3	- -----	
6BH11	6.3	BU-8293-0	234	10	B 84	P4	E 5500	PENTODE SECT.
	6.3	BS-6705-0	002	14	B 90	P4	E 8500	TRIODE NO.1
	6.3	BV-4302-0	005	14	B 90	P4	E 8500	TRIODE NO.2
6BJ3	6.3	BT-0207-0	203	0	B 60	P3	- -----	
6BK11	6.3	BT-9204-0	203	21	B 21	P4	C 700	TRIODE NO.1
	6.3	BS-7506-0	002	19	B 10	P4	C 550	TRIODE NO.2
	6.3	BV-4203-0	045	19	B 10	P4	C 550	TRIODE NO.3
6BN11	6.3	BU-7398-2	234	10	B 84	P4	E 8500	PENTODE NO.1
	6.3	BX-3542-6	007	10	B 84	P4	E 8500	PENTODE NO.2
6BS3	6.3	EV-0209-0	000	0	A 50	P3	- -----	
6BV11	6.3	BU-7298-3	234	13	B 73	P4	D 2500	PENTODE NO.1
	6.3	BX-6345-2	007	13	B 73	P4	D 2500	PENTODE NO.2
6BW11	6.3	BU-3892-7	234	12	B 84	P4	E 6250	PENTODE NO.1
	6.3	BX-3542-6	007	8	B 83	P4	E 8750	PENTODE NO.2
6BZ3	6.3	BT-0207-0	203	0	B 40	P3	- -----	
6C9	6.3	EV-7986-0	000	16	B 86	P4	D 4300	TETRODE NO.1
	6.3	EV-1326-0	600	16	B 86	P4	D 4300	TETRODE NO.2
6C10	6.3	BT-9204-0	203	14	B 48	P4	D 1250	TRIODE NO.1
	6.3	BS-7506-0	002	14	B 48	P4	D 1250	TRIODE NO.2
	6.3	BV-4203-0	045	14	B 48	P4	D 1250	TRIODE NO.3

TUBE TYPE	FIL.	SELECTORS TESTER	CAS	BIAS	RANGE	PUSH	MUT.COND	NOTATIONS
6CA11	6.3	BU-8329-7	234	20	B 85	P4	E 7400	PENTODE SECT
	6.3	BS-6405-0	002	20	B 78	P4	D 1800	TRIODE NO.1
	6.3	BU-3207-0	004	20	B 77	P4	D 2500	TRIODE NO.2
6CD3	6.3	BT-0207-0	203	0	B 60	P3	- -----	
6CE3	6.3	BS-0407-0	002	0	B 62	P3	- -----	
6CG3	6.3	BS-0407-0	002	0	B 60	P3	- -----	
6CH3	6.3	EV-0209-0	000	0	B 63	P3	- -----	
6CJ3	6.3	EV-0209-0	000	0	B 60	P3	- -----	
6CK3	6.3	EV-0209-0	000	0	B 60	P3	- -----	
6CL3	6.3	EV-0209-0	000	0	B 60	P3	- -----	
6CM3	6.3	EV-0279-0	000	0	B 63	P3	- -----	SHORT ON4
6CW4	6.3	BT-4208-0	103	9	B 87	P4	E 9000	PLATE VOLTS=LOW
6D10	6.3	BT-9204-0	203	15	B 79	P4	D 3200	TRIODE NO.1
	6.3	BS-7506-0	002	15	B 79	P4	D 3200	TRIODE NO.2
	6.3	BV-4203-0	045	15	B 79	P4	D 3200	TRIODE NO.3
6DS4	6.3	BT-4208-0	103	9	B 85	P4	E 7500	PLATE VOLTS=LOW
6DV4	6.3	CT-6107-0	203	25	B 89	P4	E 6500	
6DW4	6.3	EV-0209-0	000	0	B 54	P3	- -----	
6EA4	6.3	BS-0605-0	002	0	A 65	P1	- -----	CAP=G ON ADAPTER
6EF4	6.3	BS-0605-9	002	0	A 65	P1	- -----	CAP=G ON ADAPTER
6EH4	6.3	BS-0605-0	002	0	A 65	P1		CAP=G ON ADAPTER
6EJ4	6.3	BS-0605-9	002	0	A 65	P1		CAP=G ON ADAPTER
6FJ7	6.3	BU-2309-0	234	20	B 78	P4	C 2500	TRIODE NO.1
	6.3	BS-3507-0	002	18	B 91	P4	E 9000	TRIODE NO.2
6FM7	6.3	BU-2309-0	234	20	B 45	P4	C 1000	TRIODE NO.1
	6.3	BS-8507-0	002	61	B 85	P4	D 4000	TRIODE NO.2
6FY7	6.3	BU-2309-0	234	20	B 15	P4	C 625	TRIODE NO.1
	6.3	BS-3507-0	002	54	B 90	P4	E 4750	TRIODE NO.2
6G11	6.3	BU-8329-0	234	39	B 85	P4	D 4000	PENTODE NO.1
	6.3	BV-3672-4	005	13	A 10	P4	G 375	PENTODE NO.2
6GA7	6.3	BS-4735-0	002	50	B 88	P4	D 4700	PENTODE SECT.
	6.3	BT-0208-0	023	0	A 40	P3	- -----	DIODE SECT.
6GE5	6.3	BV-4723-0	345	50	B 88	P4	E 4750	
6GF5	6.3	BV-4723-0	345	58	B 85	P4	D 3700	
6GF7	6.3	EV-9801-0	000	19	B 32	P4	C 400	TRIODE NO.1
	6.3	EV-2603-0	000	61	B 88	P4	E 400	TRIODE NO.2
6GJ5	6.3	EV-6073-0	000	31	B 89	--	E 6600	CAP=P ON ADAPTER. HOLD DOWN P1 AND PRESS P4
6GT5	6.3	EV-6973-0	000	31	B 89	--	E 6600	HOLD DOWN P1, PRESS P4
6GV5	6.3	BU-9032-0	234	45	B 90	P4	E 5000	CAP=P ON ADAPTER
6GY5	6.3	BT-5072-0	203	30	B 91	P4	E 10000	CAP=P ON ADAPTER PLATE VOLTS=LOW
6HB5	6.3	BV-4723-0	345	59	B 85	P4	D 4000	
6HD5	6.3	BU-3792-0	234	52	B 89	P4	F 6000	
6HE5	6.3	BU-9623-0	234	29	B 86	P4	D 4700	
6HE7	6.3	BT-9528-0	023	57	B 90	P4	D 4700	PENTODE SECT.
	6.3	BT-0204-0	003	0	B 50	P3	- -----	DIODE SECT.
6HF5	6.3	BU-9032-0	234	67	B 88	P4	D 2150	CAP=P ON ADAPTER
6HJ5	6.3	BV-4792-3	345	53	B 90	P4	D 5400	
6HS5	6.3	BV-2704-3	005	0	B 86	P4	E 15000	
6J9	6.3	EV-7801-0	100	15	B 88	P4	D 4250	TRIODE NO.1
	6.3	EV-9601-0	100	15	B 88	P4	D 4250	TRIODE NO.2
	6.3	EV-2103-0	000	15	B 88	P4	D 4250	TRIODE NO.3
6J10	6.3	BS-7468-5	002	0	A 30	P4	G 800	PENTODE NO.1
	6.3	BV-4923-0	045	20	B 87	P4	E 5700	PENTODE NO.2
6J11	6.3	BU-3978-2	234	10	B 85	P4	E 7900	PENTODE NO.1
	6.3	BX-5326-4	007	10	B 85	P4	E 7900	PENTODE NO.2
6JB6	6.3	EV-2013-8	000	31	B 89	--	E 7000	CAP=P ON ADAPTER. HOLD DOWN P1 AND PRESS P4

TUBE TYPE	FIL.	SELECTORS TESTER	CAS	BIAS	RANGE	PUSH	MUT.COND	NOTATIONS
6JE6	6.3	EV-2073-8	000	36	B 90	P4	E 7800	CAP=P ON ADAPTER PLATE VOLTS=LOW
6JF6	6.3	EV-2073-8	000	29	B 91	--	E 7800	CAP=P ON ADAPTER HOLD DOWN P1, PRESS P4
6JG6	6.3	EV-2973-6	000	29	B 91	--	E 7800	HOLD DOWN P1, PRESS P4
6JM6	6.3	BW-5032-4	406	47	B 91	P4	E 5500	CAP=P ON ADAPTER
6JN6	6.3	BW-5732-4	056	47	B 91	P4	E 5500	
6JR6	6.3	EV-2913-6	000	76	B 78	P4	D 2000	
6JS6A	6.3	BW-5032-4	006	60	B 90	P4	D 3500	CAP=P ON ADAPTER
6JT6	6.3	EV-2973-6	000	47	B 89	P4	E 5000	
6JU6	6.3	EV-2013-8	000	76	B 78	P4	D 2000	CAP=P ON ADAPTER
6JZ6	6.3	BW-5032-4	006	60	B 87	P4	D 4600	CAP=P ON ADAPTER
6JZ8	6.3	BS-7489-0	002	33	B 89	P4	E 4600	PENTODE SECT.
	6.3	BV-3204-0	345	30	B 64	P4	C 1450	TRIODE SECT.
6K11	6.3	BT-9204-8	203	25	B 75	P4	C 2200	TRIODE NO.1
	6.3	BS-7506-8	002	14	B 48	P4	D 1250	TRIODE NO.2
	6.3	BV-4203-8	045	14	B 48	P4	D 1250	TRIODE NO.3
6KD6	6.3	BW-5032-4	006	75	B 78	P4	C 2000	CAP=P ON ADAPTER
6KM6	6.3	EV-2073-8	000	70	B 80	P4	D 2000	CAP=P ON ADAPTER
6KN6	6.3	BW-5032-4	006	60	B 86	P4	D 2500	CAP=P ON ADAPTER
6KY8	6.3	EV-2673-0	000	42	B 87	P4	E 5000	PENTODE SECT.
	6.3	EV-9801-0	000	22	B 15	P4	C 700	TRIODE SECT.
6LB6	6.3	BW-5032-4	006	38	B 89	P4	E 7650	CAP=P. PLATE VOLTS=LOW.
6LF6	6.3	BW-5032-4	006	72	B 64	P4	E 9250	CAP=P ON ADAPTER
6LG6	6.3	BT-5024-0	023	69	B 79	P4	E 5000	CAP=P ON ADAPTER
6LR6	6.3	BW-5032-4	006	90	B 50	P4	C 900	CAP=P ON ADAPTER
6LR8	6.3	EV-2673-0	000	40	B 88	P4	E 5500	PENTODE SECT.
	6.3	EV-9801-0	000	20	B 79	P4	D 2400	TRIODE SECT.
6LU8	6.3	BS-6489-0	002	40	B 88	P4	E 5500	PENTODE SECT.
	6.3	BV-3204-0	345	20	B 79	P4	D 2400	TRIODE SECT.
6M11	6.3	BW-2534-0	456	9	B 86	P4	E 9000	PENTODE SECT.
	6.3	BS-8709-0	002	14	B 86	P4	E 6100	TRIODE NO.1
	6.3	BS-5604-0	002	14	B 86	P4	E 6100	TRIODE NO.2
6MD8	6.3	EV-6307-0	000	25	B 80	P4	D 3800	TRIODE NO.1
	6.3	EV-8207-0	000	25	B 80	P4	D 3800	TRIODE NO.2
	6.3	EV-9107-0	000	25	B 80	P4	D 3800	TRIODE NO.3
6MF8	6.3	BS-7489-0	002	30	B 85	P4	D 4600	PENTODE SECT.
	6.3	BV-3204-0	345	22	B 57	P4	C 1500	TRIODE SECT.
6MJ8	6.3	BV-4203-0	045	27	B 77	P4	D 3200	TRIODE NO.1
	6.3	BV-2403-0	205	27	B 77	P4	D 3200	TRIODE NO.2
	6.3	BS-8603-0	002	27	B 77	P4	D 3200	TRIODE NO.3
6MN8	6.3	BS-8603-0	002	25	B 68	P4	C 2150	TRIODE NO.1
	6.3	BV-2403-0	205	25	B 68	P4	C 2150	TRIODE NO 2
	6.3	BV-4203-0	045	25	B 68	P4	C 2150	TRIODE NO.3
6N-H10	6.3	BT-4208-0	103	15	B 80	P4	C 2700	
6N-L7	6.3	BT-4208-0	103	72	B 21	P4	C 770	
6Q11	6.3	BT-9204-8	203	25	B 75	P4	C 2200	TRIODE NO.1
	6.3	BS-7506-8	002	14	B 48	P4	D 1250	TRIODE NO.2
	6.3	BV-4203-8	045	14	B 48	P4	D 1250	TRIODE NO.3
6T9	6.3	BU-8329-0	234	11	B 89	P4	E 7500	PENTODE SECT.
	6.3	BT-4205-0	003	20	B 10	P4	C 700	TRIODE SECT.
6T10	6.3	BU-8329-0	234	17	B 87	P4	D 5350	PENTODE NO.1
	6.3	BU-3762-5	004	15	B 19	P4	C 630	PENTODE NO.2
6U9	6.3	FW-3782-4	000	11	B 82	P4	E 6000	PENTODE SECT. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	6.3	FW-2901-0	200	25	B 85	P4	D 4600	TRIODE SECT.
6U10	6.3	BT-9204-0	203	25	B 72	P4	C 1950	TRIODE NO.1
	6.3	BS-7506-0	002	14	B 43	P4	C 475	TRIODE NO.2
	6.3	BV-4203-0	045	25	B 72	P4	C 1950	TRIODE NO.3

TUBE TYPE	FIL.	SELECTORS TESTER	CAS	BIAS	RANGE	PUSH	MUT.COND	NOTATIONS
6V9	6.3	FW-3741-2	000	18	B 55	P4	C 1200	HEPTODE SECT. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	6.3	FW-8109-0	100	17	B 88	P4	E 6500	TRIODE SECT.
6X9	6.3	FW-3782-4	000	12	B 83	P4	E 6000	PENTODE SECT. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	6.3	FW-2901-0	200	16	B 78	P4	D 3000	TRIODE SECT.
6Y9	6.3	FW-8197-0	100	13	B 88	P4	E 8500	PENTODE NO.1 USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	6.3	FW-1432-0	000	13	B 82	P4	D 4200	PENTODE NO.2
6Y10	6.3	BU-8329-0	234	18	B 85	P4	D 5000	PENTODE NO.1
	6.3	BU-3762-5	004	13	B 65	P4	C 1800	PENTODE NO.2
6Z10	6.3	BS-7468-5	002	0	A 30	P4	G 800	PENTODE NO.1
	6.3	BW-5423-0	056	20	B 87	P4	E 5700	PENTODE NO.2
8AC9	7.5	BU-9328-7	234	10	B 85	P4	E 7500	PENTODE SECT.
	7.5	BS-0304-0	002	0	A 83	P1	- -----	DIODE NO.1
	7.5	BU-0203-0	004	0	A 83	P1	- -----	DIODE NO.2
8AC10	10.0	BT-9204-0	203	19	B 73	P4	C 2400	TRIODE NO.1 SET =LINE ADJUST= AT 1450 ON 3000 SCALE.
	10.0	BS-7506-0	002	19	B 73	P4	C 2400	TRIODE NO.2
	10.0	BV-4203-0	045	19	B 73	P4	C 2400	TRIODE NO.3
8AR11	7.5	BU-2893-7	234	6	B 85	P4	E 9000	PENTODE NO.1
	7.5	BX-5236-4	007	6	B 85	P4	E 9000	PENTODE NO.2
8B10	7.5	BS-5607-0	002	28	B 74	P4	C 2150	TRIODE NO.1)SET =LINE
	7.5	BV-3402-0	005	28	B 74	P4	C 2150	TRIODE NO.2)ADJUST= AT
	7.5	BT-0209-0	203	0	A 77	P1	- -----	DIODE NO.1)1750 ON *3000
	7.5	BS-0809-0	002	0	A 77	P1	- -----	DIODE NO.2)SCALE.
8BA11	7.5	BS-4638-7	002	10	B 21	P4	C 550	PENTODE NO.1
	7.5	BW-4238-5	006	10	B 21	P4	C 550	PENTODE NO.2
	7.5	BU-9302-0	234	30	B 63	P4	C 1800	TRIODE SECT.
8BM11	7.5	BU-3792-8	234	10	B 84	P4	E 6500	PENTODE NO.1
	7.5	BX-6235-4	007	12	B 83	P4	E 6000	PENTODE NO.2
8BN11	7.5	BU-7398-2	234	10	B 84	P4	E 8500	PENTODE NO.1
	7.5	BX-3542-6	007	10	B 84	P4	E 8500	PENTODE NO.2
8BQ11	7.5	BU-2893-7	234	5	B 84	P4	E 8500	PENTODE NO.1
	7.5	BX-5236-4	007	5	B 86	P4	E 11000	PENTODE NO.2
8BU11	7.5	BU-8293-0	234	10	B 84	P4	D 4600	PENTODE SECT.
	7.5	BS-6705-0	002	15	B 88	P4	E 7500	TRIODE NO.1
	7.5	BV-4302-0	005	15	B 88	P4	E 7500	TRIODE NO.2
8U9	7.5	FW-3782-4	000	11	B 82	P4	E 6000	PENTODE SECT. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	7.5	FW-2901-0	200	25	B 85	P4	D 4600	TRIODE SECT.
8X9	7.5	FW-3782-4	000	12	B 83	P4	E 6000	PENTODE SECT. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	7.5	FW-2901-0	200	16	B 78	P4	D 3000	TRIODE SECT.
9BJ11	10.0	BU-3792-8	234	10	B 65	P4	C 1700	PENTODE NO.1
	10.0	BX-6235-4	007	13	B 83	P4	E 6500	PENTODE NO.2
9V9	10.0	FW-3741-2	000	18	B 55	P4	C 1200	HEPTODE SECT. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	10.0	FW-8109-0	100	17	B 88	P4	E 6500	TRIODE SECT.
10AL11	10.0	BU-8329-0	234	18	B 88	P4	E 5600	PENTODE NO.1
	10.0	BV-3672-4	005	21	B 17	P4	C 450	PENTODE NO.2
10GF7	10.0	EV-9801-0	000	19	B 32	P4	C 400	TRIODE NO.1
	10.0	EV-2603-0	000	61	B 88	P4	E 400	TRIODE NO.2

TUBE TYPE	FIL.	SELECTORS TESTER	CAS	BIAS	RANGE	PUSH	MUT.COND	NOTATIONS
10J10	10.0	BS-7468-5	002	0	A 30	P4	G 800	PENTODE NO.1
	10.0	BV-4923-0	045	20	B 87	P4	E 5700	PENTODE NO.2
11AR11	10.0	BU-2893-7	234	6	B 84	P4	E 8000	PENT.NO.1)SET =LINE *ADJUST= AT
	10.0	BX-5236-4	007	6	B 84	P4	E 8000	PENT.NO.2)1350 ON 3000 *SCALE
11BQ11	12.6	BU-2893-7	234	10	B 81	P4	D 4250	PENT.NO.1)SET =LINE *ADJUST= AT
	12.6	BX-5236-4	007	10	B 83	P4	D 5000	PENT.NO.2)90 ON 200 *SCALE
11BT11	10.0	BV-4238-6	345	8	A 85	P4	E 12500	PENTODE SECT.
	10.0	BS-5706-0	002	11	A 68	P4	D 5300	TRIODE NO.1
	10.0	BS-3904-0	002	19	A 61	P4	D 5200	TRIODE NO.2
11CA11	10.0	BU-8329-7	234	20	B 85	P4	E 7400	PENTODE SECT
	10.0	BS-6405-0	002	20	B 78	P4	D 1800	TRIODE NO.1
	10.0	BU-3207-0	004	20	B 77	P4	D 2500	TRIODE NO.2
11FY7	10.0	BU-2309-0	234	20	B 15	P4	C 625	TRIODE NO.1
	10.0	BS-3507-0	002	54	B 90	P4	E 4750	TRIODE NO.2
11Y9	10.0	FW-8197-0	100	13	B 88	P4	E 8500	PENTODE NO.1 USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	10.0	FW-1432-0	000	13	B 82	P4	D 4200	PENTODE NO.2
12AE10	12.6	BU-8329-0	234	23	A 72	P4	D 3000	PENTODE NO.1
	12.6	BU-3762-5	004	18	B 46	P4	C 1000	PENTODE NO.2
12AL11	12.6	BU-8329-0	234	18	B 88	P4	E 5600	PENT. NO.1
	12.6	BV-3672-4	005	21	B 17	P4	C 450	PENT. NO.2
12AX3	12.6	BS-0407-0	002	0	B 40	P3	- -----	
12AY3	12.6	EV-0209-0	000	0	B 48	P3	- -----	
12BE3	12.6	BT-0207-0	203	0	B 58	P3	- -----	
12BF11	12.6	BU-8329-0	234	30	B 89	P4	E 5400	PENTODE NO.1
	12.6	BU-3762-5	004	17	B 16	P4	C 300	PENTODE NO.2
12BS3	12.6	EV-0209-0	000	0	A 50	P3	- -----	
12BT3	12.6	BS-0407-0	002	0	B 60	P3	- -----	
12BV11	12.6	BU-7298-3	234	13	B 73	P4	D 2500	PENTODE NO.1
	12.6	BX-6345-2	007	13	B 73	P4	D 2500	PENTODE NO.2
12CK3	12.6	EV-0209-0	000	0	B 60	P3	- -----	
12CL3	12.6	EV-0209-0	000	0	B 60	P3	- -----	
12DW4A	12.6	EV-0209-0	000	0	B 54	P3		
12G11	12.6	BU-8329-0	234	39	B 85	P4	D 4000	PENTODE NO.1
	12.6	BV-3672-4	005	13	A 10	P4	G 375	PENTODE NO.2
12GE5	12.6	BV-4723-0	345	50	B 88	P4	E 4750	
12GJ5	12.6	EV-6073-0	000	31	B 89	--	E 6600	CAP=P ON ADAPTER. HOLD DOWN P1 AND PRESS P4
12GT5	12.6	EV-6973-0	000	31	B 89	--	E 6600	HOLD DOWN P1, PRESS P4
12GV5	12.6	BU-9032-0	234	45	B 90	P4	E 5000	CAP=P ON ADAPTER
12HE7	12.6	BT-9528-0	023	57	B 90	P4	D 4700	PENTODE SECT.
	12.6	BT-0204-0	003	0	B 50	P3	- -----	DIODE SECT.
12JB6	12.6	EV-2013-8	000	31	B 89	--	E 7000	CAP=P ON ADAPTER HOLD DOWN P1, PRESS P4
12JM6	12.6	BW-5732-4	056	47	B 91	P4	E 5500	
12JN6	12.6	BW-5732-4	056	47	B 91	P4	E 5500	
12JS6A	12.6	BW-5032-4	006	60	B 90	P4	D 3500	CAP=P ON ADAPTER
12JT6	12.6	EV-2973-6	000	47	B 89	P4	E 5000	
12MD8	12.6	EV-6307-0	000	25	B 80	P4	D 3800	TRIODE NO.1
	12.6	EV-8207-0	000	25	B 80	P4	D 3800	TRIODE NO.2
	12.6	EV-9107-0	000	25	B 80	P4	D 3800	TRIODE NO.3
12T10	12.6	BU-8329-0	234	17	B 87	P4	D 5350	PENTODE NO.1
	12.6	BU-3762-5	004	15	B 19	P4	C 630	PENTODE NO.2
13CW4	12.6	BT-4208-0	103	9	B 87	P4	E 9000	PLATE VOLTS=LOW
13FM7	12.6	BU-2309-0	234	20	B 45	P4	C 1000	TRIODE NO.1
	12.6	BS-8507-0	002	61	B 85	P4	D 4000	TRIODE NO.2

TUBE TYPE	FIL.	SELECTORS TESTER	CAS	BIAS	RANGE	PUSH	MUT.COND	NOTATIONS
13GF7	12.6	EV-9801-0	000	19	B 32	P4	C 400	TRIODE NO.1
	12.6	EV-2603-0	000	61	B 88	P4	E 400	TRIODE NO.2
13J10	12.6	BS-7468-5	002	0	A 30	P4	G 800	PENTODE NO.1
	12.6	BV-4923-0	045	20	B 87	P4	E 5700	PENTODE NO.2
13JZ8	12.6	BS-7489-0	002	33	B 89	P4	E 4600	PENTODE SECT.
	12.6	BV-3204-0	345	30	B 64	P4	C 1450	TRIODE SECT.
13V10	12.6	BU-8329-0	234	22	B 80	P4	D 4500	PENTODE NO.1
	12.6	BU-3762-5	004	23	B 0	P4	C 500	PENTODE NO.2
13Z10	12.6	BS-7468-5	002	0	A 30	P4	G 800	PENTODE NO.1
	12.6	BV-4923-0	045	20	B 87	P4	E 5700	PENTODE NO.2
14BL11	12.6	BV-4238-0	345	13	B 88	P4	E 10500	PENTODE SECT.
	12.6	BS-5706-0	002	16	B 80	P4	E 400	TRIODE NO.1
	12.6	BS-3904-0	002	16	B 88	P4	E 600	TRIODE NO.2
14BR11	12.6	BW-2534-0	056	10	B 87	P4	E 7000	PENTODE SECT.
	12.6	BS-8605-0	002	12	B 84	P4	E 6000	TRIODE NO.1
	12.6	BS-4907-0	002	13	B 82	P4	E 5000	TRIODE NO.2
15AB9	17.0	FW-9781-0	100	13	B 84	P4	E 6500	TETRODE NO.1 USE HICKOK ADAPTER SA-11 CODE NO. 1050-177 SET =LINE ADJUST= AT 1400 ON 3000 SCALE.
	17.0	FW-3124-0	000	13	B 84	P4	E 6500	TETRODE NO.2 USE HICKOK ADAPTER SA-11 CODE NO. 1050-177 SET =LINE ADJUST= AT 1400 ON
15AB9								ADJUST= AT 1400 ON
15AF11	12.6	BV-4239-0	345	14	B 89	P4	E 8700	PENT. SECT.)SET =LINE
	12.6	BS-6805-0	002	15	B 84	P4	D 5100	TRIODE NO.1)ADJUST= *AT 1750
	12.6	BS-3407-0	002	15	B 84	P4	D 4800	TRIODE NO.2)ON 3000 *SCALE
15BD11	12.6	BV-4239-0	345	19	B 85	P4	E 7000	PENT.SECT.)SET =LINE
	12.6	BS-6805-0	002	14	B 81	P4	D 5200	TRIODE NO.1)ADJUST= AT *110 ON
	12.6	BS-3407-0	002	18	B 80	P4	D 4400	TRIODE NO.2 * 200 SCALE.
15FM7	12.6	BU-2309-0	234	22	B 45	P4	C 1000	TRIODE NO.1)SET =LINE *ADJUST=
	12.6	BS-8507-0	002	69	B 85	P4	D 4000	TRIODE NO.2)AT 110 ON *200 SCALE.
15FY7	12.6	BU-2309-0	234	20	B 27	P4	C 375	TRIODE NO.1)SET =LINE *ADJUST=
	12.6	BS-3507-0	002	55	B 91	P4	E 6500	TRIODE NO.2)AT 1750 ON *3000 SCALE
15KY8	12.6	EV-2673-0	000	43	B 89	P4	E 5600	PENT.SECT.)SET =LINE *ADJUST=
	12.6	EV-9801-0	000	19	B 48	P4	C 1000	TRIODE SECT.)AT 875 ON *1500 SCALE
16AK9	20.0	BS-8597-0	002	31	B 86	P4	D 4900	PENTODE SECT. SET =LINE ADJUST= AT 95 ON 200V. SCALE
16AK9	20.0	BS-4307-0	234	19	B 72	P4	C 2340	TRIODE NO.1
	20.0	BU-3207-0	004	27	B 61	P4	C 1930	TRIODE NO.2
16GY5	20.0	BU-9032-0	234	51	B 91	P3	E 6000	CAP=P ON ADAPTER. SET =LINE ADJUST= AT 1300 ON 3000 SCALE.
16KA6	20.0	BW-5032-4	206	60	B 91	P4	E 4500	CAP=P. SET =LINE ADJUST= AT 90 ON 200 SCALE.
16Y9	20.0	FW-8197-0	100	13	B 88	P4	E 8500	PENTODE NO.1 SET=LINE ADJUST= AT 1400 ON 3000 SCALE. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	20.0	FW-1432-0	000	13	B 82	P4	D 4200	PENTODE NO.2

TUBE TYPE	FIL.	SELECTORS TESTER	SELECTORS CAS	BIAS	RANGE	PUSH	MUT.COND	NOTATIONS
17AB9	20.0	FW-9781-0	100	13	B 84	P4	E 6500	TETRODE NO.1. SET =LINE ADJUST= AT 1400 ON 3000 SCALE. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	20.0	FW-3124-0	000	13	B 84	P4	E 6500	TETRODE NO.2
17AB10	20.0	BS-7468-5	002	0	A 30	P4	G 800	LIMITER GRID)SET =CATH *ACT.=
	20.0	BS-5468-7	002	0	A 40	P4	G 825	QUADR. GRID)SWITCH TO *LIFE
	20.0	BV-4923-0	045	29	B 86	P4	D 4300	PENT. NO.2)TEST POS.
17AX3	20.0	BS-0407-0	002	0	B 35	P3	- -----	SET =LINE ADJUST= AT 94 ON 200 SCALE.
17AY3	20.0	EV-0209-0	000	0	B 43	P3	- -----	SET =LINE ADJUST= AT 94 ON 0 TO 200 SCALE.
17BE3	20.0	BT-0207-0	203	0	B 52	P3	- -----	SET =LINE ADJUST= AT 94 ON 200 SCALE.
17BF11	20.0	BU-8329-0	234	30	B 89	P4	E 5400	PENT. NO.1)SET CATH ACT
	20.0	BU-3762-5	004	17	B 16	P4	C 300	PENT. NO.2)SWITCH TO LIFE TEST POSITION.
17BH3	20.0	EV-0209-0	000	0	B 43	P3	- -----	SET =LINE ADJUST= AT 94 ON 0 TO 200 SCALE.
17BS3	20.0	EV-0209-0	000	0	A 45	P3	- -----	SET =LINE ADJUST= AT 90 ON 0 TO 200 SCALE.
17BZ3	20.0	BT-0207-0	203	0	B 40	P3	- -----	SET =LINE ADJUST= AT 90 ON 200 SCALE.
17C9	20.0	EV-7986-0	000	16	B 79	P4	D 4300	TETRODE NO.1)SET =LINE *ADJUST=
	20.0	EV-1326-0	600	16	B 79	P4	D 4300	TETRODE NO.2)AT 84 ON *200 SCALE.
17CK3	20.0	EV-0209-0	000	0	B 57	P3	- -----	SET =LINE ADJUST= AT 1400 ON 3000 SCALE.
17CL3	20.0	EV-0209-0	000	0	B 57	P3	- -----	SET=LINE ADJUST= AT 1400 ON 3000 SCALE.
17DW4A	20.0	EV-0209-0	000	0	B 57	P3		SET =LINE ADJUST= AT 1400 ON 3000 SCALE.
17GE5	20.0	BV-4723-0	345	45	B 85	P4	D 4400	SET =LINE ADJUST= AT 1350 ON 3000 SCALE.
17GJ5	20.0	EV-6073-0	000	31	B 89	--	E 7000	CAP=P ON ADAPTER. HOLD P1 AND PRESS P4. SET CATH. ACT. SWITCH TO LIFE TEST POS.
17GT5	20.0	EV-6973-0	000	31	B 89	--	E 7000	HOLD DOWN P1 AND PRESS P4. SET CATH. ACT. SWITCH TO LIFE TEST POS.
17GV5	20.0	BU-9032-0	234	44	B 90	P4	E 5000	CAP=P ON ADAPTER. SET =LINE ADJUST= AT 1350 ON 3000 SCALE.
17J86	20.0	EV-2013-8	000	31	B 89	--	E 7000	CAP=P ON ADAPTER. HOLD DOWN P1 AND PRESS P4. SET CATH. ACT. SWITCH TO LIFE TEST POS.
17JG6A	20.0	EV-2973-6	000	26	B 91	--	E 7800	SET =LINE ADJUST= AT 94 ON 200 SCALE. HOLD DOWN P1 AND PRESS P4.
17JM6	20.0	BW-5032-4	406	47	B 91	P4	E 5500	CAP=P ON ADAPTER. SET CATH. ACT. SWITCH TO LIFE TEST POS.
17JN6	20.0	BW-5732-4	056	47	B 91	P4	E 5500	SET=CATH ACT= SWITCH TO LIFE TEST POS.

TUBE TYPE	FIL.	SELECTORS TESTER	CA5	BIAS	RANGE	PUSH	MUT.	COND	NOTATIONS
17JT6	20.0	EV-2973-6	000	47	B 89	P4	E	5000	SET =CATH ACT= SWITCH TO LIFE TEST POS.
17JZ8	20.0	BS-7489-0	002	35	B 86	P4	D	4600	PENT. SECT.)SET@ CATH. *ACT.=
	20.0	BV-3204-0	345	32	B 49	P4	C	1250	TRIODE SECT.)SWITCH TO *LIFE TEST
17LD8	20.0	EV-2673-0	000	41	B 88	P4	D	4900	PENTODE SECT.)SET=LINE *ADJUST=
	20.0	EV-9801-0	000	33	B 65	P4	C	1400	TRIODE SECT.)AT 108 ON *200 SCALE
17X10	20.0	BS-7468-5	002	0	A 30	P4	G	800	LIMITER GRID*SET=CATH. *ACT.=
	20.0	BS-5468-7	002	0	A 40	P4	G	825	QUADR. GRID)SWITCH TO *LIFE
	20.0	BV-4923-0	045	29	B 86	P4	D	4300	PENT. NO.2)TEST POS.
19CG3	20.0	BS-0407-0	002	0	B 60	P3	-	-----	
1909	20.0	EV-1327-6	700	10	B 80	P4	D	4000	PENTODE SECT.
	20.0	EV-8907-6	000	15	B 87	P4	E	6500	TRIODE SECT.
21GY5	20.0	BT-5072-0	203	30	B 91	P4	E	10000	CAP=P ON ADAPTER
21HB5	20.0	BV-4723-0	345	59	B 85	P4	D	4000	
21HD5	20.0	BU-3792-0	234	52	B 89	P4	F	6000	
21HJ5	20.0	BV-4792-3	345	53	B 90	P4	D	5400	
21JV6	20.0	BW-5732-4	456	60	B 88	P4	E	4500	
21JZ6	20.0	BW-5032-4	006	60	B 87	P4	D	4600	CAP=P ON ADAPTER
21KA6	20.0	BW-5032-4	206	60	B 86	P4	E	4500	CAP=P ON ADAPTER
21LG6	20.0	BT-5024-0	023	69	B 79	P4	E	5000	CAP=P ON ADAPTER
21LR8	20.0	EV-2673-0	000	40	B 88	P4	E	5500	PENTODE SECT.
	20.0	EV-9801-0	000	20	B 79	P4	D	2400	TRIODE SECT.
21LU8	20.0	BS-6489-0	002	40	B 88	P4	E	5500	PENTODE SECT.
	20.0	BV-3204-0	345	20	B 79	P4	D	2400	TRIODE SECT.
22BH3	20.0	EV-0209-0	000	0	B 43	P3	-	-----	SET =LINE ADJUST= TO 119 ON 200 SCALE.
22BW3	25.0	BT-0207-0	203	0	B 49	P3	-	-----	
22JF6	20.0	EV-2073-8	000	29	B 91	--	E	7800	CAP=P ON ADAPTER HOLD DOWN P1, PRESS P4
22JG6	20.0	EV-2973-6	000	29	B 91	--	E	7800	HOLD DOWN P1, PRESS P4
22JR6	20.0	EV-2913-6	000	76	B 78	P4	D	2000	
22JU6	20.0	EV-2073-8	000	76	B 78	P4	D	2000	CAP=P ON ADAPTER
22KM6	20.0	EV-2073-8	000	70	B 80	P4	D	2000	CAP=P ON ADAPTER
23JS6A	25.0	BW-5032-4	006	60	B 90	P4	D	3500	CAP=P ON ADAPTER
23Z9	25.0	BS-8597-0	002	40	B 87	P4	E	4500	PENTODE SECT.
	25.0	BU-2307-0	234	19	B 80	P4	D	3200	TRIODE NO.1
	25.0	BU-3207-0	004	32	B 66	P4	C	1700	TRIODE NO.2
24BF11	25.0	BU-8329-0	234	29	B 87	P4	E	7000	PENTODE NO.1
	25.0	BU-3762-5	004	20	B 10	P4	C	695	PENTODE NO.2
24GA7	25.0	BS-4735-0	002	50	B 88	P4	D	4700	PENTODE SECT.
	25.0	BT-0208-0	023	0	A 40	P3	-	-----	DIODE SECT.
24JE4A	25.0	EV-2073-8	000	36	B 90	P4	E	7800	CAP=P ON ADAPTER PLATE VOLTS=LOW
24JZ8	25.0	BS-7489-0	002	33	B 87	P4	E	5250	PENTODE SECT.
	25.0	BV-3204-0	345	29	B 60	P4	C	1600	TRIODE SECT.
25CG3	25.0	BS-0407-0	002	0	B 60	P3	-	-----	
25CM3	25.0	EV-0279-0	000	0	B 63	P3	-	-----	SHORT ON 4
28HD5	25.0	BU-3792-0	234	52	B 89	P4	F	6000	
30AG11	35.0	BS-5604-0	002	16	B 83	P4	D	3600	TRIODE NO.1)SET =LINE
	35.0	BS-8709-0	002	16	B 83	P4	D	3600	TRIODE NO.2)ADJUST= AT
	35.0	BU-0203-0	234	0	A 75	P1	-	-----	DIODE NO.1)84 ON 200
	35.0	BU-0302-0	004	0	A 75	P1	-	-----	DIODE NO.2)SCALE.
30HJ5	25.0	BV-4792-3	345	53	B 90	P4	D	5400	

TUBE TYPE	FIL.	SELECTORS TESTER	CAS	BIAS	RANGE	PUSH	MUT.COND	NOTATIONS
30KD6	35.0	BW-5032-4	006	90	B 40	P4	C 850	CAP=P ON ADAPTER SET =LINE ADJUST= AT 43 ON 100 SCALE.
31JS6A	35.0	BW-5032-4	006	60	B 90	P4	D 3500	CAP=P ON ADAPTER
32GA7	35.0	BS-4735-0	002	50	B 88	P4	D 4700	PENTODE SECT.
	35.0	BT-0208-0	023	0	A 40	P3	- -----	DIODE SECT.
33GT7	35.0	BU-3528-0	234	33	A 88	--	E 7250	PENT.SECT. HOLD DOWN P1 AND PRESS P4
	35.0	BT-0204-0	003	0	A 75	P3	- -----	DIODE SECT.
33GY7	35.0	BU-2538-0	234	33	A 88	--	E 7250	PENT. SECT. HOLD DOWN P1 PRESS P4
	35.0	BT-0204-0	003	0	A 75	P3	- -----	DIODE SECT.
33JV6	35.0	BW-5732-4	456	60	B 88	P4	E 4500	
34CD3	35.0	BT-0207-0	203	0	B 60	P3	- -----	
34CE3	35.0	BS-0407-0	002	0	B 62	P3	- -----	
34CM3	35.0	EV-0279-0	000	0	B 63	P3	- -----	
35LR6	35.0	BW-5032-4	006	90	B 50	P4	C 900	CAP=P ON ADAPTER
36KD6	35.0	BW-5032-4	006	75	B 78	P4	C 2000	CAP=P ON ADAPTER
38HE7	35.0	BT-9528-0	023	60	B 85	P4	D 4100	PENTODE SECT.
	35.0	BT-0204-0	003	0	B 65	P3	- -----	DIODE SECT.
38HK7	35.0	BT-9528-0	023	50	B 90	P4	E 5000	PENTODE SECT.
	35.0	BT-0204-0	003	0	B 55	P3	- -----	DIODE SECT.
40KD6	35.0	BW-5032-4	006	75	B 78	P4	C 2000	CAP=P ON ADAPTER
42KN6	50.0	BW-5032-4	006	65	B 88	P4	D 4000	CAP=P ON ADAPTER. SET LINE ADJUST AT 90 ON 200 SCALE.
53HK7	50.0	BT-9528-0	023	50	B 90	P4	E 5000	PENTODE SECT.
	50.0	BT-0204-0	003	0	B 55	P3		DIODE SECT.
58HE7	50.0	BT-9528-0	023	57	B 90	P4	D 4700	PENTODE SECT.
	50.0	BT-0204-0	003	0	B 50	P3	- -----	DIODE SECT.
7586	6.3	BT-4208-0	103	15	B 90	P4	E 9750	PLATE VOLTS=LOW
7587	6.3	BT-4028-0	103	10	B 84	--	E 7000	CAP=P ON ADAPTER. HOLD DOWN P1 AND PRESS P4
7868	6.3	EV-6973-0	000	10	B 90	P4	E 8500	
7895	6.3	BT-4208-0	103	16	B 89	P4	E 8250	NOTE 1
7984	12.6	BV-2349-0	245	42	B 88	P4	D 4250	
8056	6.3	BT-4208-0	103	10	B 74	P1	- -----	MAKE NO GAS TEST.
8058	6.3	BS-0008-0	102	13	B 89	P4	E 10000	CAP=P, SHELL=G ON ADAPTER.
8149	12.6	BT-2789-0	203	48	B 89	P4	D 4600	
8150	12.6	BT-2086-0	203	48	B 89	P4	D 4600	CAP=P ON ADAPTER
8156	12.6	BU-2376-0	204	32	B 90	P4	D 4600	
8203	6.3	BT-4208-0	103	26	B 86	P4	D 4200	
8393	12.6	BT-4208-0	103	23	B 88	P4	E 7500	
8458	12.6	EV-3872-0	000	13	B 82	P4	D 3300	TETRODE NO.1 NOTE 4#1-2+
	12.6	EV-1672-0	000	13	B 82	P4	D 3300	TETRODE NO.2 NOTE 4#3-2+
8628	6.3	BT-4208-0	103	17	B 18	P4	C 600	
ECC2000	6.3	FW-8709-1	000	21	B 91	P4	F 13000	TRIODE NO.1. USE HICKOK ADAPTER SA-11 CODE NO. 1050-177
	6.3	FW-3402-1	400	21	B 91	P4	E 10500	TRIODE NO.2
H-1112	2.0	BT-4028-0	103	10	B 84		E 7000	CAP=P ON ADAPTER. HOLD DOWN P1 AND PRESS P4.
H-1208	6.3	BT-4208-0	103	15	B 90	P4	E 9750	PLATE VOLTS=LOW.
N30EL	6.3	BW-5032-4	006	72	B 64	P4	E 9250	CAP=P ON ADAPTER.